M22

GSM / GPRS Wireless Module

Release Notice

Rev. 1.20

May. 2004

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Bug-Fixed

V0.01 - V0.02

1	Pull ROW4 will make module reboot.

V0.02 - V0.03

1	Pull ROW4 will make module reboot.
2	"LD" phonebook reverses order when G2 is restarted.
3	Cannot write SMS to SIM in PDU mode with size>=158 (+CMGW)

V0.03 - V0.04

1	None

V0.04 - V0.05

1	CNMI response error after initial setting
2	"AT$FBT=4,0,1" can't turn off auxiliary audio path in M32
3	Try to connect the network again when AT+COPS=0 fail
4	Change the response form "error" to "ok" of the second execute of +CPIN
5	Set band mode as 1900, but can camp on 1800's network
6	Make CGAATT can only be set as (1,0) (0,1)
7	During low temperature the handset always loses camp when enters deep sleep mode
8	Module will auto power on after use AT$poweroff to turn it off.
9	CSD call : Transparent mode data call

V0.05 – V1.00

1	AT$poweroff 時, Layer 1 的 LDO 沒有關掉.
2	AT$EXC=1 not work
3	Enable L1_NEW_AEC for M22.
4	提供 poweroff Pin : IO13+ROW4

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V1.00 – V1.10

1	Make sure the DCD is workable in GPRS mode.
2	If PC enter suspend mode, M32 will not pull down the DCD of UART.
3	Fix input "at+cnmi" then "ENTER", it can't input command anymore.

V1.10 – V1.20

1	FIR coefficients will be tampered to incorrect value when switch audio path.
2	Phonebook 的中文字會變亂碼! 新增支援 UCS2 head 81 type.

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Features-Added

V0.01 - V0.02

1	None

V0.02 - V0.03

1	Add New Aupath AT$AUPATH=6,1 for audio implementation.

V0.03 - V0.04

1	None

V0.04 - V0.05

1	SMS 可以設置成已讀未讀.
2	Add "AT$AUGAIN?" command to query the sidetone/mic/speaker gain
3	產生摘機 / 忙線音: AT+GDT
4	Add new at command to convert UNICODE to GB2312
5	Change "RING" message frequency: AT$TRING
6	Use IO12 to implement: AT$VCD

V0.05 – V1.00

1	AT+CLVL save the audio speaker volume structure to the FFS.
2	Add $AUFIR at command for AUDIO_SPEAKER_FIR coefficient amend in each audio path. 這一個版本的指令是 AT$AUFIR=<parameter:0-30>, <value>
3	Add $AUVAD at command to set & query audio VAD value in AEC.
4	Add $AUABS at command to set & query audio ABS value in AEC.
5	**ROW4, IO13 and AT$HRST=1 可以 power off module.**

V1.00 – V1.10

1	"AT$AUVOL?" query the speaker volume level in audio path.
2	Add TCP/IP function (M2M)
3	更改 M22 default FIR value 為 AT$AUFIR=65514, 65424, 65381, 65389, 65399, 194, 713, 593, 444, 1416, 1206, 65526, 1481, 4031, 63490, 16384, 63490, 4031, 1481, 65526, 1206, 1416, 444, 593, 713, 194, 65399, 65389, 65381, 65424, 65514
4	Add $AUFIR at command for AUDIO_SPEAKER_FIR coefficient amend in each audio path.

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	這一個版本的指令是 AT$AUFIR=<value 0>, <value 1>, <value 2>, <value 3>, <value 4>, <value 5>, …..,<value 30>

V1.10 – V1.20

1	AEC parameters can't become effective immediately using by AT$AUAEC.
2	Make PPP can always receive "+++" from UART in DTI lock state
3	Add $AUSMOOTH setting the smoothing coefficient in AEC.
4	Add $AULEVELMAX setting the maximum attenuation level in AEC.

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